Title (en)

CUTTING INSERT OF SINTERED HARD ALLOY

Publication

EP 0428491 A3 19910904 (EN)

Application

EP 90850372 A 19901114

Priority

SE 8903835 A 19891115

Abstract (en)

[origin: EP0428491A2] According to the present invention there is now available a cutting insert of sintered carbonitride alloy and with complicated geometry, said insert having improved efficiency. This is obtained by giving the powder non-uniform compaction at the pressing so that the future working edges will have a higher relative density than surrounding, more "supporting" material in the pressbody. By these means are often obtained surface defects in the form of cracks because of dissolved strains during the sintering.

IPC 1-7

C22C 1/05; C22C 29/00

IPC 8 full level

B23B 27/14 (2006.01); **B22F 3/02** (2006.01); **B22F 3/10** (2006.01); **B22F 3/16** (2006.01); **B23P 15/28** (2006.01); **C22C 1/05** (2006.01); **C22C 29/00** (2006.01); **C22C 29/02** (2006.01); **C22C 29/04** (2006.01); **C22C 29/06** (2006.01); **C22C 29/08** (2006.01); **C22C 29/10** (2006.01); **C22C 29/12** (2006.01); **C22C 29/16** (2006.01)

CPC (source: EP US)

B22F 3/164 (2013.01 - EP US); **C22C 1/051** (2013.01 - EP); **C22C 1/057** (2023.01 - US); **C22C 29/04** (2013.01 - EP US); B22F 2005/001 (2013.01 - EP US); B22F 2998/00 (2013.01 - EP US); Y10T 407/235 (2015.01 - EP US); Y10T 407/27 (2015.01 - EP US)

Citation (search report)

[A] E. KLAR: "Metals Handbook", 9th edition vol. 7: "Powder metallurgy", 1984, pages 296-307, American Society for Metals, Metals Park, Ohio, US

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FR2952650A1; CN102597281A; WO2011061435A1

Designated contracting state (EPC)

AT DE FR GB IT SE

DOCDB simple family (publication)

EP 0428491 A2 19910522; **EP 0428491 A3 19910904**; **EP 0428491 B1 19960918**; AT E143059 T1 19961015; DE 69028598 D1 19961024; DE 69028598 T2 19970130; JP 2597046 B2 19970402; JP H03228503 A 19911009; SE 503520 C2 19960701; SE 8903835 D0 19891115; SE 8903835 L 19910516; US 5110349 A 19920505

DOCDB simple family (application)

EP 90850372 A 19901114; AT 90850372 T 19901114; DE 69028598 T 19901114; JP 30737090 A 19901115; SE 8903835 A 19891115; US 61285290 A 19901114